# JOURNAL OF ZOOLOGY

## Volume 260 Contents

**Part 1, May 2003**


Rao, S. J., Iason, G. R., Hulbert, I. A. R. and Racey, P. A., The effect of establishing native woodland on habitat selection and ranging of moorland mountain hares (*Lepus timidus*), a flexible forager 1

Bouwma, A. M., Bouwma, P. E., Nordheim, E. V. and Jeanne, R. L., Adult mortality rates in young colonies of a swarm-founding social wasp (*Polybia occidentalis*) 11

Moleón, M. and Gil-Sánchez, J. M., Food habits of the wildcat (*Felis silvestris*) in a peculiar habitat: the Mediterranean high mountain 17

Asoh, K. and Yoshikawa, T., Gonadal development and an indication of functional protogyny in the Indian damselfish (*Dascyllus carneus*) 23

Fabrezi, M. and Emerson, S. B., Parallelism and convergence in anuran fangs 41

Saillant, E., Chatain, B., Menu, B., Fauvel, C., Vidal, M. O. and Fostier, A., Sexual differentiation and juvenile intersexuality in the European sea bass (*Dicentrarchus labrax*) 53

Cope, D. R., Variation in daily and seasonal foraging routines of non-breeding barnacle geese (*Branta leucopsis*): working harder does not overcome environmental constraints 65

van Rensburg, L. J., Bennett, N. C., van der Merwe, M., Schoeman, A. S. and Brinders, J., Are non-reproductive male highveld mole-rats, *Cryptomys hottentotus pretoriae* physiologically suppressed while in the confines of the natal colony? 73

Weladji, R. B., Holand, Ø. and Almøy, T., Use of climatic data to assess the effect of insect harassment on the autumn weight of reindeer (*Rangifer tarandus*) calves 79

Strüder-Kypke, M. C. and Lynn, D. H., Sequence analysis of the small subunit rRNA gene confirm the paraphyly of oligotrich ciliates *sensu lato* and support the monophyly of the subclasses Oligotrichia and Choreotrichia (Ciliophora, Spirotrichea) 87

Bolter, D. R. and Zihlman, A. L., Morphometric analysis of growth and development in wild-collected vervet monkeys (*Cercopithecus aethiops*), with implications for growth patterns in Old World monkeys, apes and humans 99

Delahay, R. J., Waldram, M., Mallinson, P. J., Spyvee, P. D., Handoll, D., de Leeuw, A. N. S. and Cheeseman, C. L., Response to Tuyttens, Macdonald and Roddam 119

Tuyttens, F. A. M., Macdonald, D. W. and Roddam, A. W., Response to Delahay, Waldram, Mallinson, Spyvee, Handoll, de Leeuw and Cheeseman 120

Whiting, M. J., Lailvaux, S. P., Reaney, L. T. and Wymann, M., To run or hide? Age-dependent escape behaviour in the common flat lizard (*Platysaurus intermedius wilhelmi*) 123

Seligmann, H., Beiles, A. and Werner, Y. L., More injuries in left-footed individual lizards and *Sphenodon* 129

Stevens, M. A. and Boness, D. J., Influences of habitat features and human disturbance on use of breeding sites by a declining population of southern fur seals (*Arctocephalus australis*) 145

Kassam, D. D., Adams, D. C., Hori, M. and Yamaoka, K., Morphometric analysis on ecomorphologically equivalent cichlid species from Lakes Malawi and Tanganyika 153

Hale, M. L. and Lurz, P. W. W., Morphological changes in a British mammal as a result of introductions and changes in landscape management: the red squirrel (*Sciurus vulgaris*) 159

Agosta, S. J., Morton, D. and Kuhn, K. M., Feeding ecology of the bat *Eptesicus fuscus*: 'preferred' prey abundance as one factor influencing prey selection and diet breadth 169

Lambert, T. D., Adler, G. H., Riveros, C. M., Lopez, L., Ascanio, R. and Terborgh, J., Rodents on tropical land-bridge islands 179

Adams, R. A., Pedersen, S. C., Thibault, K. M., Jadin, J. and Petru, B., Calcium as a limiting resource to insectivorous bats: can water holes provide a supplemental mineral source? 189

Brackenbury, J., Swimming kinematics and wake elements in a worm-like insect: the larva of the midge *Chironomus plumosus* (Diptera) 195

Santos, E. F., Setz, E. Z. F. and Gobbi, N., Diet of the maned wolf (*Chrysocyon brachyurus*) and its role in seed dispersal on a cattle ranch in Brazil 203

Rogers, L. M., Forrester, G. J., Wilson, G. J., Yarnell, R. W. and Cheeseman, C. L., The role of setts in badger (*Meles meles*) group size, breeding success and status of TB (*Mycobacterium bovis*) 209

Erratum for J. Loman, in *Journal of Zoology*, Volume 258, Part 1 217


**Part 2, June 2003**


David, J.-F., Geoffroy, J.-J. and Célérier, M.-L., First evidence for photoperiodic regulation of the life cycle in a millipede species, *Polydesmus angustus* (Diplopoda: Polydesmidae) 111

Clutton-Brock, J., Risk assessment for animals: should the routine assessment of negative effects of intervention in wild animals be built into research projects? 117


**Part 3, July 2003**


Malherbe, G. P., Bennett, N. C. and Schoeman, A. S., Foraging in the subterranean social highveld mole-rat (*Cryptomys hottentotus pretoriae*): an investigation into mass-dependent geophyte use and foraging patterns 219

Koh, T. H. and Li, D., State-dependent prey type preferences of a kleptoparasitic spider *Argyrodes flavescens* (Araneae: Theridiidae) 227
Lausen, C. L. and Barclay, R. M. R., Thermoregulation and roost selection by reproductive female big brown bats (*Eptesicus fuscus*) roosting in rock crevices 235
Grenyer, R. and Purvis, A., A composite species-level phylogeny of the 'Insectivora' (Mammalia: Order Lipotyphla Haeckel, 1866) 245
Shigemiya, Y., Does the handedness of the pebble crab *Eriphia smithii* influence its attack success on two dextral snail species? 259
Bailey, W. J. and Hammond, T. J., Duetting in insects – does call length influence reply latency? 267
Korte, A. and Armbruster, G. F. J., Apomorphic and plesiomorphic ITS-1 rDNA patterns in morphologically similar snails (Stylommatophora: *Vallonia*), with estimates of divergence time 275
Bagchi, S., Goyal, S. P. and Sankar, K., Prey abundance and prey selection by tigers (*Panthera tigris*) in a semi-arid, dry deciduous forest in western India 285
Rota, E., Zalesskaja, N. T., Rodionova, N. S. and Petushkov, V. N., Redescription of *Fridericia heliota* (Annelida, Clitellata: Enchytraeidae), a luminous worm from the Siberian taiga, with a review of bioluminescence in the Oligochaeta 291
Begg, C. M., Begg, K. S., Du Toit, J. T. and Mills, M. G. L., Sexual and seasonal variation in the diet and foraging behaviour of a sexually dimorphic carnivore, the honey badger (*Mellivora capensis*) 301
Erickson, G. M., Lappin, A. K. and Vliet, K. A., The ontogeny of bite-force performance in American alligator (*Alligator mississippiensis*) 317

**Part 4, August 2003**

Dahle, B. and Swenson, J. E., Home ranges in adult Scandinavian brown bears (*Ursus arctos*): effect of mass, sex, reproductive category, population density and habitat type 329
Ersts, P. J. and Rosenbaum, H. C., Habitat preference reflects social organization of humpback whales (*Megaptera novaeangliae*) on a wintering ground 337
Bosch, J. and Boyero, L., Double stimulation of the inner ear organs of an anuran species (*Alytes cisternasii*) with simple tonal advertisement calls 347
Willemsen, R. E. and Hailey, A., Sexual dimorphism of body size and shell shape in European tortoises 353
Verrell, P. and Mabry, M., Sexual behaviour of the Black Mountain dusky salamander (*Desmognathus welteri*), and the evolutionary history of courtship in the Desmognathinae 367
de Villiers, M. S., Richardson, P. R. K. and van Jaarsveld, A. S., Patterns of coalition formation and spatial association in a social carnivore, the African wild dog (*Lycaon pictus*) 377
Mason, M. J., Morphology of the middle ear of golden moles (Chrysochloridae) 391
Mason, M. J., Bone conduction and seismic sensitivity in golden moles (Chrysochloridae) 405
Zabala, J., Zuberogoitia, I., Garin, I. and Aihartza, J., Landscape features in the habitat selection of European mink (*Mustela lutreola*) in south-western Europe 415
Lemelin, P., Schmitt, D. and Cartmill, M., Footfall patterns and interlimb co-ordination in opossums (Family Didelphidae): evidence for the evolution of diagonal-sequence walking gaits in primates 423